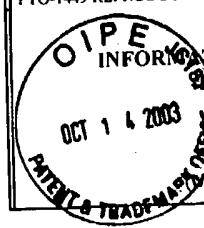


PTO-1449 REPRODUCED



October 10, 2003

W

ATTORNEY DOCKET NO.  
2869.1001-023APPLICATION NO.  
10/046,649APPLICANT  
Richard A. Young, et al.FILING DATE  
January 14, 2002CONFIRMATION NO.  
3487 GROUP  
1648

## U.S. PATENT DOCUMENTS

EXAM- INER INITIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
SAC	AA	4,716,038	29-Dec-87	Stanford, et al.
	AB	4,724,144	9-Feb-88	Rook, et al.
	AC	5,114,844	19-May-92	Cohen, et al.
	AD	5,504,005	2-Apr-96	Bloom, et al.
	AE	6,335,183 B1	1-Jan-02	Young
	AF	6,338,952 B1	15-Jan-02	Young
	AG	4,918,166	17-Apr-90	Kingsmen, et al.
	AH	5,580,563 A	3-Dec-96	Tam, et al.
	AI	6,482,614 B1	19-Nov-02	Young
	AJ	4,557,931	10-Dec-85	Irie, et al.
	AK	6,030,618	29-Feb-00	Srivastava
	AA2	6,455,493 B1	24-Sep-02	Wallen, et al.
	AB2	6,403,099 B1	11-Jun-02	Rappuoli, et al.
	AC2	US-2002-0146426-A1	10-Oct-02	Huang, et al.
▼	AD2	US-2001-0005713-A1	28-Jun-01	Young
	AE2			
	AF2			
	AG2			
	AH2			
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

RECEIVED  
OCT 17 2003  
TECH CENTER 1600/2900

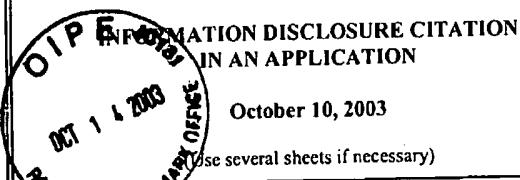
EXAMINER

Stacy B. Chen

DATE CONSIDERED

1/21/04

PTO-1449 REPRODUCED



ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
--------------------------------------	-------------------------------

APPLICANT Richard A. Young, et al.
---------------------------------------

FILING DATE January 14, 2002	CONFIRMATION NO. 3487	GROUP 1648
---------------------------------	--------------------------	---------------

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES    NO
SAC	AL	WO88/00974	11-Feb-88	PCT	
	AM	WO85/05034	21-Nov-85	PCT	
	AN	WO88/05823	11-Aug-88	PCT	
	AO	WO88/06591	7-Sep-88	PCT	
	AP	WO91/02542	7-Mar-91	PCT	
	AQ	WO91/15572	17-Oct-91	PCT	
	AL2	WO 92/08484	29-May-92	PCT	
	AM2	WO 92/08488	29-May-92	PCT	
	AN2	0 262 710	7-Sep-87	EPO	
	AO2	0 322 990	5-Jul-89	EPO	
	AP2	2 251 186	1-Jul-92	Great Britain	
	AQ2	WO 89/12455	28-Dec-89	PCT	
	AL3	WO 93/17712	16-Sep-93	PCT	
	AM3	WO 94/03208	17-Feb-94	PCT	
	AN3	WO 90/15873	27-Dec-90	PCT	
	AO3	WO 95/31994	30-Nov-95	PCT	
	AP3	WO 95/24923	21-Sep-95	PCT	
	AQ3	WO 94/29459	22-Dec-94	PCT	
	AL4	WO 97/06821	27-Feb-97	PCT	
	AM4	WO 98/23735	4-Jun-98	PCT	
	AN4	WO 97/26910	31-Jul-97	PCT	
	AO4	WO 96/10421	11-Apr-96	PCT	
	AP4	WO 95/24923	21-Sep-95	PCT	
	AQ4	WO 98/35705	20-Aug-98	PCT	
	AL5	WO 99/07860	18-Feb-99	PCT	
↓	AMS	WO 01/51081	19-Jul-01	PCT	

RECEIVED  
OCT 11 2003  
TECH CENTER 1600  
1600 LEADERSHIP

EXAMINER

Stacy B. Chen

DATE CONSIDERED

1/21/04

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION  
October 10, 2003  
(use several sheets if necessary)

OCT 14 2003  
U.S. PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NO.  
2869.1001-023

APPLICATION NO.  
10/046,649

APPLICANT  
Richard A. Young, et al.

FILING DATE  
January 14, 2002

CONFIRMATION NO.  
3487

GROUP  
1648

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Lamb, J.R., et al., "Stress Proteins may Provide a Link Between the Immune Response to Infection and Autoimmunity", Int'l. Immun., 1(2):191-196 (1989).
AS	Young, R. A., "Stress Proteins and Immunology," Annu. Rev. Immunol., 8:401-420 (1990).
AT	Lussow, A. R. et al., "Mycobacterial heat-shock proteins as carrier molecules," Eur. J. Immunol., 21:2297-2302 (1991).
AU	Barrios, C. et al., "Mycobacterial heat-shock proteins as carrier molecules. II: The use of the 70-kDa mycobacterial heat-shock protein as carrier for conjugated vaccines can circumvent the need for adjuvants and Bacillus Calmette Guerin priming," Eur. J. Immunol., 22:1365-1372 (1992).
AV	Blander, S. J. and Horwitz, M. A., "Major Cytoplasmic Membrane Protein of Legionella pneumophila, a Genus Common Antigen and Member of the hsp 60 Family of Heat Shock Proteins, Induces Protective Immunity in a Guinea Pig Model of Legionnaires' Disease," J. Clin. Invest., 91:717-723 (1993).
AW	Del Giudice, G. D., et al., "Priming to Heat Shock Proteins in Infants Vaccinated against Pertussis," J. Immunol., 150(5):2025-2032 (1993).
AX	Agranovsky, A. A., et al., "Putative 65 kDa Protein of Beet Yellows Closterovirus Is a Homologue of HSP70 Heat Shock Proteins," J. Mol. Biol., 217:603-610 (1991).
AY	Miller, A. et al., "Immunotherapy in autoimmune diseases," Curr. Opinion in Immun., 3:936-940 (1991).
AZ	Nadler, S. G. et al., "Interaction of the Immunosuppressant Deoxyspergualin with a Member of the Hsp70 Family of Heat Shock Proteins," Science, 258:484-486 (1992).
AR2	Elias, D. et al., "Induction and therapy of autoimmune diabetes in the non-obese diabetic (NOD/Lt) mouse by a 65-kDa heat shock protein," Proc. Natl. Acad. Sci. USA, 87:1576-1580 (1990).
AS2	Thole, J. E.R. et al., "Characterization, Sequence Determination, and Immunogenicity of a 64-Kilodalton Protein of Mycobacterium bovis BCG Expressed in Escherichia coli K-12," Infection & Immunol., 55(6):1466-1475 (1987).
AT2	Young, R. A. et al., "Genes for the major protein antigens of the leprosy parasite mycobacterium leprae," Nature, 316:450-452 (1985).

RECEIVED  
TECH CENTER 1600/2000  
OCT 17 2003

EXAMINER

Stacy B. Chen

DATE CONSIDERED

1/21/04

PTO-1449 REPRODUCED



## INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

October 10, 2003

(Use several sheets if necessary)

ATTORNEY DOCKET NO.  
2869.1001-023APPLICATION NO.  
10/046,649APPLICANT  
Richard A. Young, et al.FILING DATE  
January 14, 2002CONFIRMATION NO.  
3487GROUP  
1648OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

SBC	AU2	Husson, R. N. and Young, R.A., "Genes for the major protein antigens of Mycobacterium tuberculosis: The etiologic agents of tuberculosis and leprosy share an immunodominant antigen," Proc. Natl. Acad. Sci. USA, 84:1679-1683 (1987).
	AV2	Young, D. et al., "Stress proteins are immune targets in leprosy and tuberculosis," Proc. Natl. Acad. Sci. USA, 85:4267-4270 (1988).
	AW2	Lindquist, S. and Craig, E. A., "The Heat-Shock Proteins," Annu. Rev. Genet., 22:631-677 (1988).
	AX2	Welch, W. J. et al., "Biochemical Characterization of the Mammalian Stress Proteins and Identification of Two Stress Proteins as Glucose- and CA2+-Ionophore-regulated Proteins," J. Biol. Chem., 258(11):7102-7111 (1983)
	AY2	Ardeshir, et al., "A 75 Kd Merozoite Surface Protein of Plasmodium Falciparum which is Related to the 70 kd Heat-Shock Proteins", EMBO J., 6(2):493-499 (1987).
	AZ2	Vodkin, M.H. and Williams, J.C., "A Heat Shock Operon in Coxiella burnetii Produces a Major Antigen Homologous to a Protein in Both Mycobacteria and Escherichia coli", J. of Bacteriology, 170(3):1227-1234 (1988).
	AR3	Thole, J.E.R., et al., "Antigenic relatedness of a strongly immunogenic 65 kDa mycobacterial protein antigen with a similarly sized ubiquitous bacterial common antigen", Microbial Pathogenesis, 4:71-83 (1988).
	AS3	van Eden, W., et al., "Cloning of the mycobacterial epitope recognized by T lymphocytes in adjuvant arthritis", Nature, 331(14):171-173 (1988).
	AT3	Del Guidice, G., et al., "Heat shock proteins as "super"-carriers for sporozoite peptide vaccines", Research in Immunol., 162:703-707 (1991).
	AU3	Young, D.B., et al., "The 65kDa antigen of mycobacteria - a common bacterial protein?", Immunology Today, 8(7-8):215-219 (1987).
	AV3	Shinnick, T.M., et al., "The Etiologic Agents of Leprosy and Tuberculosis Share an Immunoreactive protein Antigen with the Vaccine Strain Mycobacterium bovis BCG", Infect. and Immun., 55(8):1932-1935 (1987).
↓	AW3	Kaufmann, S.H.E., et al., "Enumeration of T cells reactive with Mycobacterium tuberculosis organisms and specific for the recombinant mycobacterial 64-kDa protein", Eur. J. Immunol., 17:351-357 (1987).

EXAMINER

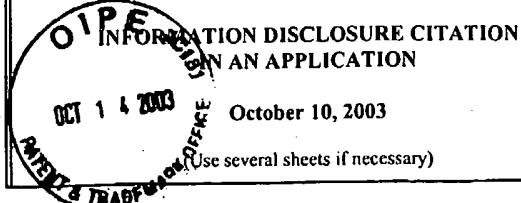
Stacy B. Chen

DATE CONSIDERED

1/21/04

RECEIVED  
OCT 17 2003  
TECH CENTER 1000  
2000

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2869.1001-023APPLICATION NO.  
10/046,649APPLICANT  
Richard A. Young, et al.FILING DATE  
January 14, 2002CONFIRMATION NO.  
3487GROUP  
1648OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

SBC	AX3	Jindal, S., "Heat Shock Proteins: Applications in health and disease," Trends in Biotech., 14(1):17-20, 1996.
	AY3	Suzue, K., et al., "Heat shock fusion proteins as vehicles for antigen delivery into the major histocompatibility complex class I presentation pathway," Proc. Natl. Acad. Sci. USA, 94(24):13146-13151 (1997).
	AZ3	Suzue, K. and Young R.A., "Adjuvant-Free hsp70 Fusion Protein System Elicits Humoral and Cellular Immune Responses to HIV-1 24 1," J. of Immunol., 156:873-879, (1996).
	AR4	Verdegaal, E.M.E. et al., "Heat Shock Protein 65 Induces CD62e, CD106, and CD54 on Cultured Human Endothelial Cells and Increases Their Adhesiveness for Monocytes and Granulocytes," J. Immunol., 157:369-376 (1996).
	AS4	Noll, A. and Autenrieth, I.B., "Immunity against Yersinia enterocolitica by Vaccination with Yersinia HSP60 Immunostimulating Complexes or Yersinia HSP60 plus Interleukin-12," Infect. & Immun., 64:2955-2961 (1996). <span style="float: right;">TECH CENTER REC'D 11/17/2003</span>
	AT4	Ferrero, R.L. et al., "The GroES homolog of Helicobacter pylori confers protective immunity against mucosal infection in mice," Proc. Natl. Acad. Sci. USA, 92:6499-6503 (1995). <span style="float: right;">REC'D 11/17/2003</span>
	AU4	Gomez, F.J., et al., "Vaccination with Recombinant Heat Shock Protein 60 from Histoplasma capsulatum Protects Mice against Pulmonary Histoplasmosis," Infect. & Immun., 63:2587-2595 (1995).
	AV4	Srivastava, P.K. and Udon, H., "Heat shock protein-peptide complexes in cancer immunotherapy," Curr. Opin. Immunol., 6:728-732 (1994).
	AW4	DeNagel, D.C. and Pierce, S.K., "Heat Shock Proteins in Immune Responses," Crit. Rev. Immunol., 13(1):71-81 (1993).
	AX4	Barrios, C. et al., "Heat shock proteins as carrier molecules: in vivo helper effect mediated by Escherichia coli GroEl and DnaK proteins requires cross-linking with antigen," Clin. Exp. Immunol., 98:229-233 (1994).
▼	AY4	De Valesco, E.A., et al., "Synthetic Peptides Representing T-Cell Epitopes Act as Carriers in Pneumococcal Polysaccharide Conjugate Vaccines," Infect. & Immun., 63(3):961-968 (1995).

EXAMINER

Haey B Chen

DATE CONSIDERED

1/21/04

PTO-1449 REPRODUCED <i>OCT 14 2003</i> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 <i>REVIEWED &amp; INDEXED</i> (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
			GROUP 1648

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SBC	AZ4	Könen-Waisman, S. et al., "Self and Foreign 60 Kilodalton Heat Shock Protein T Cell Epitope Peptides Serve As Immunogenic Carriers for a T Cell-Independent Sugar Antigen," J. Immunol., 154:5977-5985 (1995).	
	AR5	Friedland, J.S. et al., "Mycobacterial 65-kD heat shock protein induces release of proinflammatory cytokines from human monocytic cells," Clin. Exp. Immunol., 91:58-62 (1993).	
	AS5	Huang, Q., et al., "In Vivo Cytotoxic T Lymphocyte Elicitation by Mycobacterial Heat Shock Protein 70 Fusion Proteins Maps to a Discrete Domain and Is CD4+ T Cell Independent," J. Exp. Med. 191(2):403-408 (January 17, 2000).	
	AT5	Arrigo, A. and Welch, W.J., "Characterization and Purification of the Small 28,000-Dalton Mammalian Heat Shock Protein," J. Biol. Chem., 262(32):15359-15369 (1987).	
	AU5	Catelli, M.G., et al., "The common 90-kd protein component of non-transformed '8S' steroid receptors is a heat-shock protein," EMBO J., 4(12):3131-3135 (1985).	<i>TECH CENTER 10/17/2003</i>
	AV5	Zylicz, M., et al., "The grpE Protein of Escherichia coli," J. Biol. Chem., 262(36):17437-17442 (1987).	
	AWS	Chandrasekhar, G.N., et al., "Purification and Properties of the groES Morphogenetic Protein of Escherichia coli," J. Biol. Chem. 261(26):12414-12419 (1986).	<i>10/17/2003</i>
	AX5	Zylicz, M. and Georgopoulos, C., "Purification and Properties of the Escherichia coli dnaK Replication Protein," J. Biol. Chem. 259(14):8820-8825 (1984).	
	AY5	Welch, W.J. and Feramisco, J.R., "Purification of the Major Mammalian Heat Shock Proteins," J. Biol. Chem. 257(24):14949-14959 (1982).	
	AZ5	Davis, B.D., et al., Microbiology, second edition, Harper & Row, Publishers, pp. 600 & 622. (1973)	
	AR6	Doherty, et al., Evasion of host immune responses by tumours and viruses, "Vaccines against virally induced cancers", Wiley, Chichester (Ciba Foundation Symposium 187), pp. 245-260. See page 245, Abstract. (1994)	
↓	AS6	Hird, et al., Immunotherapy with Monoclonal Antibodies, Genes and Cancer, Edited by Carney, et al., pp. 183-189, see page 185, first paragraph. (1990)	

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED <b>O I P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, <i>et al.</i>	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
			GROUP 1648

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SAC	AT6	Oettgen, H.F. and Old, L.J., "Chapter 6: The History of Cancer Immunotherapy." In Biologic Therapy of Cancer, De Vita, V.T., Hellman, S. and Rosenberg, S.A., eds., (London: J.B. Lippincott) pp. 98-103 (1991).	<i>TECH CENTER OCT 17 2003</i>
	AU6	Hudson, C.N., et al., "Active Specific Immunotherapy for Ovarian Cancer," The Lancet, 2:877-879 (1976, October 23).	<i>RECEIVED OCT 17 2003</i>
	AV6	Sparks, F.C., et al., "Immunology and Adjuvant Chemoimmunotherapy of Breast Cancer," Arch Surg, 111:1057-1062 (1976, October).	<i>TECH CENTER OCT 17 2003</i>
	AW6	Humphrey, L.J., et al., "Adjuvant Immunotherapy for Melanoma," J. of Sur. Oncol., 25:303-305 (1984).	<i>TECH CENTER OCT 17 2003</i>
	AX6	Hughes, L.E., et al., "A Study in Clinical Cancer Immunotherapy," Cancer, 26:269-278 (1970, August).	<i>TECH CENTER OCT 17 2003</i>
	AY6	Cassell, W.A., et al., "A Phase II Study on the Postsurgical Management of Stage Malignant Melanoma With a Newcastle Disease Virus Oncolysate," Cancer, 52:856-860 (1983, September).	<i>TECH CENTER OCT 17 2003</i>
	AZ6	Cassell, W.A., et al., "Viral Oncolysate in the Management of Malignant Melanoma, I. Preparation of the Oncolysate and Measurement of Immunologic Responses" Cancer, 40:672-679 (1977, August).	<i>TECH CENTER OCT 17 2003</i>
	AR7	Murray, D.R., et al., "Viral Oncolysate in the Management of Malignant Melanoma, II. Clinical Studies" Cancer, 40:680-686 (1977, August).	<i>TECH CENTER OCT 17 2003</i>
	AS7	Srivastava, P.K., and Das, M.R., "The Serologically Unique Cell Surface Antigen of Zajdela Ascitic Hepatoma is Also Its Tumor-Associated Transplantation Antigen," Int. J. Cancer, 33:417-422 (1984).	<i>TECH CENTER OCT 17 2003</i>
	AT7	Ullrich, S.J., et al., "A Mouse Tumor-Specific Transplantation Antigen is a Heat Shock-Related Protein," Proc. Natl. Acad. Sci., USA, 83:3121-3125 (1986, May).	<i>TECH CENTER OCT 17 2003</i>
	AU7	Srivastava, P.K., et al., "Tumor Rejection Antigens of Chemically Induced Sarcomas of Inbred Mice," Proc. Natl. Acad. Sci., USA, 83:3407-3411 (1986, May).	<i>TECH CENTER OCT 17 2003</i>
	AV7	Palladino, M.A., et al., "Expression of a Shared Tumor-Specific Antigen by Two Chemically Induced BALB/c Sarcomas," Cancer Research, 47:5074-5079 (1987, October).	<i>TECH CENTER OCT 17 2003</i>
↓	AW7	Srivastava, P.K. and Old, L.J., "Individually Distinct Transplantation Antigens of Chemically Induced Mouse Tumors," Immunology Today, 9:78-83 (1988, March).	<i>TECH CENTER OCT 17 2003</i>

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED  O I P E N F O R M A T I O N D I S C L O S U R E C I T A T I O N I N A N A P P L I C A T I O N O C T 1 6 2 0 0 3 U. S. PATENT & TRADEMARK OFFICE (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
			GROUP 1648

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

SAC	AX7	Srivastava, P.K. and Maki, R. G., "Stress-Induced Proteins in Immune Response to Cancer," <i>Curr. Top. Microbiol. Immunol.</i> , 167:109-123 (1991).
	AY7	Falk, R.E., et al., "Cell Mediated Immunity to Human Tumors," <i>Arch. Surg.</i> , 107:261-265 (1973, August).
	AZ7	McCulloch, P.B., et al., "Recurrent Malignant Melanoma: Effect of Adjuvant Immunotherapy on Survival," <i>Can. Med. Assoc. J.</i> , 117:33-36 (1977, July).
	AR8	Haghbin, M., et al., "Immunotherapy with Oral BCG and Serial Immune Evaluation in Childhood Lymphoblastic Leukemia Following Three Years of Chemotherapy," <i>Cancer</i> , 46:2577-2586 (1980, December).
	AS8	Pinskey, C.M., et al., "Intravesical Administration of Bacillus Calmette-Guérin in Patients With Recurrent Superficial Carcinoma of the Urinary Bladder: Report of a Prospective, Randomized Trial," <i>Cancer Treat. Rep.</i> , 69:47-53 (1985, January).
	AT8	Silverstein, A.M., "The History of Immunology," In <i>Fundamental Immunology</i> , 2nd Edition, Paul, W.E., ed., (NY:Raven Press), pp.21, 23-24 (1989).
	AU8	Murphy, J.R. and Lefford, M.J., "Host Defenses in Murine Malaria: Induction of a Protracted State of Immunity with a Formalin-Killed Plasmodium berghei Blood Parasite Vaccine," <i>Infec. Immun.</i> , 22:798-803 (1978).
	AV8	Bertelli, M.S., et al., "BCG-Induced Resistance in Trypanosoma cruzi Experimental Infections," <i>Tropenmed Parasitol</i> , 32:93-96 (1981).
	AW8	Jarecki-Black, J.C., et al., "The Effect of BCG-Vaccine Upon Experimental Visceral Leishmaniasis in Hampsters," <i>Ann. Clin. Lab. Sci.</i> , 14:464-466 (1984).
	AX8	Sturrock, R.F., et al., "Attempts to Induce Resistance to Schistosoma mansoni and S. haematobium in Kenyan Baboons ( <i>Papio anubis</i> ) Using Non-Specific Immunostimulants," <i>Parasitology</i> , 90:101-110 (1985).
	AY8	Kimmig, P. and Wenk, P., "Suppression of Parasitaemia from <i>Litomosoides carinii</i> by Immunisation with BCG and Microfilariae," <i>Z Parasitenkd</i> , 67:317-327 (1982).
↓	AZ8	Spencer, J.C., et al., "Nonspecific Protection of Mice against Influenza Virus Infection by Local or Systemic Immunization with Bacille Calmette-Guérin," <i>J. Infect. Dis.</i> , 126:171-175 (1977).

EXAMINER <i>Stacy B. Chan</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
OCT 14 2003 RECEIVED U.S. PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AR9	Li, Z. and Srivastava, P.K., "Tumor Rejection Antigen gp96/grp94 is an ATPase: Implications for Protein Folding and Antigen Presentation," The EMBO Journal, 12(8):3143-3151 (1993).		
AS9	Udon, H. and Srivastava, P.K., "Heat Shock Protein 70-associated Peptides Elicit Specific Cancer Immunity," J. Exp. Med., 178:1391-1396 (1993, October).		TECH CENTER 1600/2000 OCT 11 2003 RECEIVED
AT9	Welch, W.J. and Feramisco, J.R., "Rapid Purification of Mammalian 70,000-Dalton Stress Proteins: Affinity of the Proteins for Nucleotides," Mol. & Cell. Bio., 3:1229-1237 (1985).		
AU9	DuBois, G.C., et al., "Isolation of a Tumor-Associated Transplantation Antigen (TATA) From an SV40-Induced Sarcoma. Resemblance to the TATA of Chemically Induced Neoplasms," Int. J. Cancer, 34:561-566 (1984).		
AV9	La Thangue, N.B. and Latchman, D.S., "A Cellular Protein Related to Heat-Shock Protein 90 Accumulates during Herpes Simplex Virus Infection and Is Overexpressed in Transformed Cells," Experimental Cell Research, 178:169-179 (1988).		
AW9	Rico, A.I., et al., "Characterization of the Immunostimulatory Properties of Leishmania infantum HSP70 by Fusion to the Escherichia coli Maltose-Binding Protein in Normal nu/nu BALB/c Mice," Infection and Immunity 66:347-352 (January 1998).		
AX9	Butini, et al., "Comparative Analysis of HIV-Specific CTL Activity in Lymphoid Tissue and Peripheral Blood," J. Cell. Biochem., Suppl. 18B, Abstract J306 (1994).		
AY9	Cohen, J., "Jitters Jeopardize AIDS Vaccine Trials," Science 262:980-981 (1993).		
AZ9	Haynes, B.F., "Scientific and Social Issues of Human Immunodeficiency Virus Vaccine Development," Science 260:1279-1286 (1993).		
AR10	Voellmy, et al., "Isolation and Functional Analysis of a Human 70,000-Dalton Heat Shock Protein Gene Segment," PNAS, 82:4949-4953 (1985).		
AS10	Arnosti, et al., "Characterization of Heat Shock in <i>Bacillus subtilis</i> ," J. Bact. 168(3):1243-1249 (Dec. 1986).		
AT10	Gomes, et al., "Heat Shock Protein Synthesis During Development in <i>Caulobacter crescentus</i> ," J. Bact. 168(3):923-930 (Nov. 1986).		

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>OCT 14 2003</i>		APPLICANT Richard A. Young, et al.	
October 10, 2003 (Use several sheets if necessary)		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
SBC	AU10	Layton, et al., "Induction of HIV-Specific Cytotoxic T Lymphocytes In Vivo With Hybrid HIV-1 V3: T-1 Virus-Like Particles," J. Immun. 151(2):1097-1107 (July 1993).
	AV10	More, et al., "Activation of Cytotoxic T Cells In Vitro By Recombinant gp96 Fusion Proteins Irrespective of the 'Fused' Antigenic Peptide Sequence," Immunology Letters 69:275-282 (1999).
	AW10	Anthony, L.S.D., et al., "Priming of CD8+ CTL Effector Cells In Mice By Immunization With A Stress Protein-Influenza Virus Nucleoprotein Fusion Molecule," Vaccine 17:373-383 (1999).
	AX10	Udon, H., et al., "Cellular Requirements For Tumor-Specific Immunity Elicited By Heat Shock Proteins: Tumor Rejection Antigen gp96 Primes CD8+ T Cells in vivo," Proc. Natl. Acad. Sci. USA 91:3077-3081 (April 1994).
	AY10	Suto, R. and Srivastava, P.K., "A Mechanism for the Specific Immunogenicity of Heat Shock Protein-Chaperoned Peptides," Science 269:1585-1588 (September 15, 1995).
	AZ10	Blachere, N.E., et al., "Heat Shock Protein-Peptide Complexes, Reconstituted In Vitro, Elicit Peptide-specific Cytotoxic T Lymphocyte Response and Tumor Immunity," J. Exp. Med. 186(8):1315-1322 (October 20, 1997).
	AR11	Tamura, Y., et al., "Immunotherapy of Tumors with Autologous Tumor-Derived Heat Shock Protein Preparations," Science 278:117-120 (October 3, 1997).
	AS11	Nair, S., et al., "Calreticulin Displays In Vivo Peptide-Binding Activity and Can Elicit CTL Responses Against Bound Peptides," J. Immun. 162:6426-6432 (1999).
	AT11	Könen-Waisman, S. et al., "Self Heat-Shock Protein (hsp60) Peptide Serves in a Conjugate Vaccine against a Lethal Pneumococcal Infection," J. Infect. Diseases 179:403-413 (1999).
	AU11	Schild, H., et al., "Stress Proteins and Immunity Mediated by Cytotoxic T Lymphocytes," Current Opinion in Immun. 11:109-113 (1999).
	AV11	Zhu, X., et al., "Structural Analysis of Substrate Binding by the Molecular Chaperone DnaK," Science 272:1606-1614 (June 14, 1996).
↓	AW11	Jondal, M., et al., "MHC Class I-Restricted CTL Responses to Exogenous Antigens," Immunity 5:295-203 (October 1996).

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (use several sheets if necessary)		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

SBC	AX11	Bennett, S.R.M., et al., "Help for Cytotoxic-T-cell Responses is Mediated by CD40 Signalling," Nature 393:478-480 (June 4, 1998).
	AY11	Schoenberger, S.P., et al., "T-cell Help for Cytotoxic T Lymphocytes is Mediated by CD40-CD40L Interactions," Nature 393:480-483 (June 4, 1998).
	AZ11	Hunt, C. and Calderwood, S., "Characterization and Sequence of a Mouse hsp70 Gene and Its Expression in Mouse Cell Lines," Gene 87:199-204 (1990).
	AR12	Flaherty, K., et al., "Three-dimensional Structure of the ATPase Fragment of a 70K Heat-Shock Cognate Protein," Nature 346:623-628 (August 16, 1990).
	AS12	Chen, W., et al., "Human 60-kDa Heat-Shock Protein: A Danger Signal to the Innate Immune System," J. of Immun. 162:3212-3219 (1999).
	AT12	Kol, A., et al., "Chlamydial and Human Heat Shock Protein 60s Activate Human Vascular Endothelium, Smooth Muscle Cells, and Macrophages," J. Clin. Invest. 103:571-577 (1999).
	AU12	Hawiger, J., "Noninvasive Intracellular Delivery of Functional Peptides and Proteins," J. Curr. Opin. Chem. Biol. 3:89-94 (1999).
	AV12	Lindgren, M., et al., "Cell-Penetrating Peptides," TiPS 21(3):99-103 (March 2000).
	AW12	Morris, M.C., et al., "Translocating Peptides and Proteins and Their Use for Gene Delivery," Curr. Opin. Biotechnol. 11(5):461-466 (October 2000).
	AX12	Schwarze, S.R., et al., "Protein Transduction: Unrestricted Delivery Into All Cells?," Trends Cell Biol. 10(7):290-295 (July 2000).
	AY12	Gariépy, J., et al., "Vectorial Delivery of Macromolecules Into Cells Using Peptide-Based Vehicles," Trends Biotechnol. 19(1):21-28 (2001).
	AZ12	Rost, B., "Twilight Zone of Protein Sequence Alignments," Protein Engineering 12(2):85-94 (1999).
↓	AR13	Vogt, G., et al., "An Assessment of Amino Acid Exchange Matrices In Aligning Protein Sequences: The Twilight Zone Revisited," J. Molec. Biol. 249:816-831 (1995).

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED 1/21/04
----------------------------------	----------------------------

PTO-1449 REPRODUCED <i>O I P E</i> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. <i>TEC GROUP 1 3487 1648</i>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<i>SLC</i>	AS13	Roman, E., et al., "Synthetic Peptides non-Covalently Bound to Bacterial hsp 70 Elicit Peptide-Specific T-Cell Responses in vivo," <i>Immunology</i> 88:487-492 (1996).	<i>TEC CENTER 16000000 2003 11</i>
	AT13	Geluk, A., et al., "Functional Analysis of DR17(DR3)-Restricted Mycobacterial T Cell Epitopes Reveals DR17-Binding Motif and Enables The Design of Allele-Specific Competitor Peptides," <i>J. Immunology</i> 149 (9):2864-2871 (November 1, 1992).	
	AU13	Ciupitu, A.T., et al., "Immunization with a Lymphocytic Choriomeningitis Virus Peptide Mixed with Heat Shock Protein 70 Results in Protective Antiviral Immunity and Specific Cytotoxic T Lymphocytes," <i>J. Exp. Med.</i> 187 (5):685-691 (March 2, 1998).	
	AV13	Horwitz, M.A., et al., "Protective Immunity Against Tuberculosis Induced by Vaccination With Major Extracellular Proteins of <i>Mycobacterium tuberculosis</i> ," <i>Microbiology</i> 92:1530-1534 (February 1995).	
	AW13	Matthews, R.C., et al., "Autoantibody to Heat-Shock Protein 90 Can Mediate Protection Against Systemic Candidosis," <i>Immunology</i> 74:20-24 (1991).	
	AX13	Gelber, R.H., et al., "Vaccination With Pure <i>Mycobacterium leprae</i> Proteins Inhibits <i>M. leprae</i> Multiplication in Mouse Footpads," <i>Infection and Immunity</i> 62(10):4250-4255 (October 1994).	
	AY13	Breloer, M., et al., "In Vivo and In Vitro Activation of T Cells After Administration of Ag-Negative Heat Shock Proteins," <i>J. Immunol.</i> 612:3141-3147 (1999).	
	AZ13	Multhoff, G., et al., "The Role of Heat Shock Proteins in the Stimulation of an Immune Response," <i>Biol. Chem.</i> 379:295-300 (March 1998).	
	AR14	Chen, W., et al., "Human 60-kDa Heat-Shock Protein: A Danger Signal to the Innate Immune System," <i>J. Immunol.</i> 162:3212-3219 (1999).	
	AS14	Lehner, T., et al., "Heat Shock Proteins Generate ?-Chemokines Which Function as Innate Adjuvants Enhancing Adaptive Immunity," <i>Eur. J. Immunol.</i> 30:594-603 (2000).	
	AT14	Grange, J.M., et al., "Tuberculosis and Cancer: Parallels in Host Responses and Therapeutic Approaches?," <i>The Lancet</i> 345:1350-1352 (1995).	
	AU14	Amadori, M., et al., "Chaperonin 10 o f <i>Mycobacterium tuberculosis</i> Induces a Protective Immune Response to Foot-and-Mouth Disease Virus," <i>Arch Virol.</i> 144:905-919 (1999).	
↓	AV14	Dintzis, R.Z., "Rational Design of Conjugate Vaccines," <i>Pediatric Research</i> 32(4):376-385 (1992).	

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/31/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED <b>O I P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION OCT 14 2003 October 10, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SK	AW14	Delmas, A., et al., "Studies of the Influence of Different Cross-Linking Reagents on the Immune Response against a B-Epitope," <i>Bioconjugate Chemistry</i> 3(1):80-84 (1992).	OCT 17 2003 TECH CENTER 1600 RECEIVED
	AX14	Babbitt, et al., "Binding of Immunogenic Peptides to Ia Histocompatibility Molecules," <i>Nature</i> 317:359-361 (1985).	
	AY14	Brett, et al., "Differential Pattern of T Cell Recognition of the 65-kDa Mycobacterial Antigen Following Immunization with the Whole Protein or Peptides," <i>Euro. J. Immunol.</i> 19:1303-1310 (1989).	
	AZ14	Cox, et al., "Orientation of Epitopes Influences the Immunogenicity of Synthetic Peptide Dimers," <i>Euro. J. Immunol.</i> 18:2015-2019 (1988).	
	AR15	Engel, et al., "Generation of Antibodies Against Human hsp27 and Murine hsp25 by Immunization with a Chimeric Small Heat Shock Protein," <i>Biomed. Biochim. Acta</i> 50:1065-1071 (1991).	
	AS15	Francis, et al., "Peptide Vaccines Based on Enhanced Immunogenicity of Peptide Epitopes Presented with T-Cell Determinants or Hepatitis B Core Protein," <i>Meth. Enzymol.</i> 178:659-676 (1989).	
	AT15	Fyfe, et al., "Murine Immune Response to HIV-1 p24 Core Protein Following Subcutaneous, Intraperitoneal and Intravenous Immunization," <i>Immunology</i> 74:467-472 (1991).	
	AU15	Myers, "Role of B Cell Antigen Processing and Presentation in the Humoral Immune Response," <i>FASEB J.</i> 5:2547-2553 (1991).	
	AV15	Parker, "T-Cell Dependent B Cell Activation," <i>Annu. Rev. Immunol.</i> 11:331-360 (1993).	
	AW15	Townsend, et al., "Antigen Recognition by Class I-Restricted T Lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624 (1989).	
	AX15	Yewdell, et al., "The Binary Logic of Antigen Processing and Presentation to T Cells," <i>Cell</i> 62:203-206 (1990).	
	AY15	Agterberg, M., et al., "Outer Membrane PhoE Protein of <i>Escherichia coli</i> as a Carrier for Foreign Antigenic Determinants: Immunogenicity of Epitopes of Foot-and-Mouth Disease Virus," <i>Vaccine</i> 8:85-91 (February 1990).	
↓	AZ15	Agterberg, M., et al., "Outer Membrane Protein PhoE as a Carrier for the Exposure of Foreign Antigenic Determinants at the Bacterial Cell Surface," <i>Antonie van Leeuwenhoek</i> 59:249-262 (1991).	

EXAMINER <i>Stay B. Chen</i>	DATE CONSIDERED 1/21/04
---------------------------------	----------------------------

PTO-1449 REPRODUCED <b>O I P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
			GROUP 1648

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SBC	AR16	Agterberg, M., et al., "Protection of Guinea-pigs Against Foot-and-Mouth Disease Virus by Immunization with a PhoE FMDV Hybrid Protein," <i>Vaccine</i> 8:438-440 (October 1990).	RECEIVED TECH CENTER 1000 OCT 11 2003
	AS16	Allen, P.M., et al., "T-Cell Recognition of Lysozyme: The Biochemical Basis of Presentation," <i>Immunological Reviews</i> 98:171-187 (1987).	
	AT16	Amory Siosson, L.M., et al., "Induction of Protective Immunity in Mice Using A 62-kDa Recombinant Fragment of a <i>Schistosoma mansoni</i> Surface Antigen," <i>J. of Immunol.</i> , 149(11):3612-3620 (1992).	
	AU16	Bayliss, C.D., et al., "A Recombinant Fowlpox Virus That Expresses the VP2 Antigen of Infectious Bursal Disease Virus Induces Protection Against Mortality Caused by the Virus," <i>Arch Virol.</i> 120:193-205 (1991).	
	AV16	Billman-Jacobe, H., et al., "Mapping of the T and B Cell Epitopes of the <i>Mycobacterium bovis</i> Protein, MPB70," <i>Immunol. Cell Biol.</i> 68:359-365 (1990).	
	AW16	Blachere, N.E., et al., "Heat Shock Protein Vaccines Against Cancer," <i>J. Immunotherapy</i> 14(4):352-356 (1993).	
	AX16	Brett, S.J., et al., "Influences of Antigen Processing on the Expression of the T Cell Repertoire," <i>J. Exp. Med.</i> 168:357-373 (July 1988).	
	AY16	Burrows, P.D., et al., "B-Cell Development in Man," <i>Curr. Opinion Biol.</i> 5:201-206 (1993).	
	AZ16	Cane, P.A., et al., "Reduction of Yellow Fever Virus Mouse Neurovirulence by Immunization with a Bacterially Synthesized Non-structural Protein (NS1) Fragment," <i>J. Gen. Virol.</i> 69:1241-1246 (1988).	
	AR17	Chong, P., et al., "Identification of a Potent Synthetic HIV1 Immunogen Comprising gag-P24 Tandem T- and B-Cell Epitopes," <i>FEBS</i> 264(2):231-234 (May 1990).	
	AS17	Ciborowski, P., et al., "Immunological response to a <i>Staphylococcus aureus</i> fibronectin-binding protein," <i>J. Med. Microbiol.</i> , 37:376-381 (1992).	
	AT17	Clarke, B.E., et al., "Improved Immunogenicity of a Peptide Epitope After Fusion to Hepatitis B Core Protein," <i>Nature</i> 330:381-384 (November 1987).	
↓	AU17	Clarke, B.E., et al., "Presentation and immunogenicity of viral epitopes on the surface of hybrid hepatitis B virus core particles produced in bacteria," <i>J. of General Virology</i> , 71:1109-1117 (1990).	

EXAMINER <i>Stacy B Chen</i>	DATE CONSIDERED 1/21/04
---------------------------------	----------------------------

PTO-1449 REPRODUCED <b>O P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
SAC	AV17	Clough, E.R., et al., "Production of Anti-Sporozoite Antibodies in Absence of Response to Carrier By Coupling an MDP Derivative to a Malaria Peptide-Tetanus Toxoid Conjugate," <i>Biochemical and Biophysical Research Communications</i> , 131(1):70-75 (1985).
	AW17	Crane, M.S., et al., "Cross-Protection Against Four Species of Chicken Coccidia with a Single Recombinant Antigen," <i>Infection and Immunity</i> 59(4):1271-1277 (April 1991).
	AX17	Decision Revoking European Patent EP-B-0419569.
	AY17	European Patent No. 0700445 B1; Opposition By Antigenics, Inc.: Statement of Grounds of Opposition.
	AZ17	Drew, M.D., et al., "Vaccination By Cholera Toxin Conjugated to a Herpes Simplex Virus Type 2 Glycoprotein D Peptide," <i>J. General Virol.</i> 73:2357-2366 (1992).
	AR18	Emmrich, F., et al., "A Recombinant 64 Kilodalton Protein of <i>Mycobacterium bovis</i> Bacillus Calmette-Guerin Specifically Stimulates Human T4 Clones Reactive to Mycobacterial Antigens," <i>J. Exp. Med.</i> 163:1024-1029 (April 1986).
	AS18	Etlinger, H.M., et al., "Antibody Responses to a Synthetic Peptide-Based Malaria Vaccine Candidate: Influence of Sequence Variants of the Peptide," <i>Eur. J. Immunol.</i> 21:1505-1511 (1991).
	AT18	Finnegan, A., et al., "The T Cell Repertoire For Recognition of a Phylogenetically Distant Protein Antigen - Peptide Specificity and MHC Restriction of Staphylococcal Nuclease-specific T Cell Clones," <i>J. Exp. Med.</i> 164:897-910 (September 1986).
	AU18	Francis, M.J., et al., "Non-Responsiveness to a Foot-and-Mouth Disease Virus Peptide Overcome by Addition of Foreign Helper T-Cell Determinants," <i>Nature</i> 330:168-170 (November 1987).
	AV18	Freimuth, P., et al., "Insertion of Myoglobin T-Cell Epitopes Into the <i>Escherichia coli</i> Alkaline Phosphatase," <i>Res. Microbiol.</i> 141:995-1001 (1990).
	AW18	Fuqua, S.A.W., et al., "Induction of the Estrogen-regulated "24K" Protein by Heat Shock," <i>Cancer Research</i> 49:4126-4129 (August 1, 1989).
↓	AX18	Gammon, G., et al., "The Choice of T-Cell Epitopes Utilized on a Protein Antigen Depends on Multiple Factors Distant from, as well as at the Determinant Site," <i>Immunological Reviews</i> 98:53-73 (1987).

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
----------------------------------	-----------------------------------

PTO-1449 REPRODUCED <b>O P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
SBC	AY18	Good, M.F., et al., "Construction of Synthetic Immunogen: Use of New T-Helper Epitope on Malaria Circumsporozoite Protein," <i>Science</i> 235:1059-1062 (February 1987).
	AZ18	Handman, E., et al., "Leishmania major: Production of Recombinant gp63, Its Antigenicity and Immunogenicity in Mice," <i>Experimental Parasitology</i> 70:427-435 (1990).
	AR19	Hinuma, S., et al., "A Novel Strategy For Converting Recombinant Viral Protein Into High Immunogenic Antigen," <i>FEBS</i> 288(1,2):138-142 (August 1991).
	AS19	Hogervorst, E.M., et al., "Efficient Recognition by Rat T Cell Clones of an Epitope of Mycobacterial hsp 65 Inserted in <i>Escherichia coli</i> Outer Membrane Protein PhoE," <i>Eur. J. Immunol.</i> 20:2763-2768 (1990).
	AT19	Janvier, B., et al., "Immune Response to a Major Epitope of p24 During Infection with Human Immunodeficiency Virus Type 1 and Implications for Diagnosis and Prognosis," <i>J. Clinical Microbiol.</i> 29(3):488-492 (March 1991).
	AU19	Jarrett, W.F.H., et al., "Studies on Vaccination against Papillomaviruses: Prophylactic and Therapeutic Vaccination with Recombinant Structural Proteins," <i>Virology</i> , 184:33-42 (1991).
	AV19	Jin, X.W., et al., "Bovine Serological Response to a Recombinant BPV-1 Major Capsid Protein Vaccine," <i>Intervirology</i> 31:345-354 (1990).
	AW19	Johnston, J.M., et al., "Antigenic and Immunogenic Properties of a Hepatitis A Virus Capsid Protein Expressed in <i>Escherichia coli</i> ," <i>J. Infect. Diseases</i> 157(6):1203-1211 (June 1988).
	AX19	Kazura, J.W., et al., "Protective Efficacy of a Cloned <i>Brugia malayi</i> Antigen in a Mouse Model of Microfilaremia," <i>J. Immunol.</i> 145(7):2260-2264 (October 1990).
	AY19	Kit, M., et al., "Bovine Herpesvirus-1 (Infectious Bovine Rhinotracheitis Virus)-Based Viral Vector Which Expresses Foot-and-Mouth Disease Epitopes," <i>Vaccine</i> 9: 564-572 (August 1991).
	AZ19	Knapp, B., et al., "A Histidin Alanine Rich Recombinant Antigen Protects Aotus Monkeys from <i>P. Falciparum</i> Infection," <i>Behring Inst. Mitt.</i> 82:349-359 (1988).
	AR20	Krzych, U., et al., "Repertoires of T Cells Directed Against A Large Protein Antigen, $\beta$ -Galactosidase," <i>J. Immunol.</i> 128(4):1529-1534 (April 1982).
AS20		Lamb, J.R., et al., "Mapping of T Cell Epitopes Using Recombinant Antigens and Synthetic Peptides," <i>The EMBO J.</i> 6(5):1245-1249 (1987).

EXAMINER <i>Stacy B. Cho</i>	DATE CONSIDERED 1/21/04
---------------------------------	----------------------------

PTO-1449 REPRODUCED <b>O P F</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
APPLICANT Richard A. Young, et al.			
FILING DATE January 14, 2002	CONFIRMATION NO. 3487	GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
SKL	AT20	Lamb, F.I., et al., "Heterologous Expression of the 65-Kilodalton Antigen of <i>Mycobacterium leprae</i> and Murine T-Cell Responses to the Gene Product," <i>Infection and Immunity</i> 56(5):1237-1241 (May 1988).		
	AU20	Lawrence, R.M., et al., "Expression of the Cloned Gene for Enterotoxin Stb of <i>Escherichia coli</i> ," <i>Infection and Immunity</i> , 58(4):970-977 (1990).	RECEIVED TECH CENTER 1600 OCT 17 2003	
	AV20	Leclerc, C., et al., "A Synthetic Vaccine Constructed by Copolymerization of B and T Cell Determinants," <i>Eur. J. Immunol.</i> 17:269-273 (1987).		
	AW20	Lee, A.C.J., et al., "A Method for Preparing $\beta$ -hCG Cooh Peptide-Carrier Conjugates of Predictable Composition," <i>Molecular Immunology</i> , 17:749-756 (1980).		
	AX20	Lehner, T., et al., "Identification of T- and B-Cell Epitopes in Synthetic Peptides Derived From a <i>Streptococcus Mutans</i> Protein and Characterization of Their Antigenicity and Immunogenicity," <i>Archs oral Biol.</i> 35, Suppl.:39S-45S (1990).		
	AY20	Linsley, P.S., et al., "T-Cell Antigen CD28 Mediates Adhesion With B Cells By Interacting With Activation Antigen B7/BB-1," <i>Proc. Natl. Acad. Sci. USA</i> 87:5031-5035 (July 1990).		
	AZ20	Löwenadler, B., et al., "T and B Cell Responses To Chimeric Proteins Containing Heterologous T Helper Epitopes Inserted At Different Positions," <i>Molecular Immunology</i> 29(10):1185-1190 (1992).		
	AR21	Löwenadler, B., et al., "Enhanced Immunogenicity of Recombinant Peptide Fusions Containing Multiple Copies of a Heterologous T Helper Epitope," <i>Eur. Immunol.</i> 20:1541-1545 (1990).		
	AS21	Löwenadler, B., et al., "A recombinant <i>Escherichia coli</i> heat-stable enterotoxin (Sta) fusion protein eliciting anti-STa neutralizing antibodies," <i>FEMS Microbiology Letters</i> , 82:271-277 (1991).		
	AT21	McKenzie, K.R., et al., "Sequence and Immunogenicity of the 70-kDa Heat Shock Protein of <i>Mycobacterium leprae</i> ," <i>J. Immunol.</i> 147(1):312-319 (July 1991).		
	AU21	Mehra, V., et al., "Efficient Mapping of Protein Antigenic Determinants," <i>Proc. Natl. Acad. Sci. USA</i> 83:7013-7017 (September 1986).		
↓	AV21	Merrick, R.M., et al., "The Use of $\beta$ -Galactosidase Fusion Proteins Encoding the Early Region 1 Transforming Proteins of Adenovirus Type 12 to Examine the Humoral Response in Tumor-Bearing Animals," <i>J. Gen. Virol.</i> 72:955-960 (1991).		

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED 1/31/04
----------------------------------	----------------------------

PTO-1449 REPRODUCED <b>O I P E</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
APPLICANT Richard A. Young, et al.			
FILING DATE January 14, 2002		CONFIRMATION NO. 3487	GROUP 1648

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
↓	AW21	Miller, G.A., et al., "Characterization and Vaccine Potential of a Novel Recombinant Coccidial Antigen," <i>Infection and Immunity</i> , 57(7):2014-2020 (1989).	TECH CENTER 1600/200 OCT 17 2003
	AX21	Moore, S.K., et al., "Murine 86- and 84-kDa Heat Shock Proteins, cDNA Sequences, Chromosome Assignments, and Evolutionary Origins," <i>J. Biol. Chem.</i> 264(10):5343-5351 (1989).	RECEIVED
	AY21	Morgan, D.O., et al., "Protection of Cattle and Swine Against Foot-and-Mouth Disease, Using Biosynthetic Peptide Vaccines," <i>Am. J. Vet. Res.</i> 51(1):40-45 (January 1990).	OCT 17 2003
	AZ21	Morimoto, R.I., "Cells in Stress: Transcriptional Activation of Heat Shock Genes," <i>Science</i> 260:1409-1410 (March 1993).	1600/200
	AR22	Moser, D., et al., "The Humoral Response to Heat Shock Protein 70 in Human and Murine <i>Schistosomiasis mansoni</i> ," <i>Parasite Immunol.</i> 12:341-352 (1990).	
	AS22	Oberg, L.A., et al., "Bacterially Expressed Nucleoprotein of Infectious Hematopoietic Necrosis Virus Augments Protective Immunity Induced by the Glycoprotein Vaccine in Fish," <i>J. Virol.</i> 65:4486-4489 (August 1991).	
	AT22	Oftung, F., et al., "Human T Cell Clones Recognize Two Abundant <i>Mycobacterium tuberculosis</i> Protein Antigens Expressed in <i>Escherichia coli</i> ," <i>J. Immunol.</i> 138(3):927-931 (February 1987).	
	AU22	Owens, T., et al., "The Cell Biology of T-dependent B Cell Activation," <i>Leucocytes: Functions and Pathogenesis, Biochem. Cell Biol.</i> 67:481-489 (1989).	
	AV22	Partidos, C.D., et al., "Immune Responses in Mice Following Immunization With Chimeric Synthetic Peptides Representing B and T Cell Epitopes of Measles Virus Proteins," <i>J. Gen. Virol.</i> 72:1293-1299 (1991).	
	AW22	Peeters, J.M., et al., "Comparison of four bifunctional reagents for coupling peptides to proteins and the effect of the three moieties on the immunogenicity of the conjugates," <i>J. of Immunol. Methods</i> , 120:133-143 (1989).	
	AX22	Phalipon, A., et al., "Expression of a poliovirus type 1 neutralization epitope on a diphtheria toxin fusion protein," <i>Vaccine</i> , 7:132-136 (1989).	
↓	AY22	Rand, K.N., et al., "Cloning and Expression of a Protective Antigen from the Cattle Tick <i>Boophilus microplus</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 86:9657-9661 (December 1989).	

EXAMINER <i>Stacy B. Chee</i>	DATE CONSIDERED 1/21/04
----------------------------------	----------------------------

PTO-1449 REPRODUCED <b>INFO</b> INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SPC	AZ22	Rickard, M.D., "Cestode Vaccines," <i>Southeast Asian J. Trop. Med.. Public Health</i> , 32: 287-290.	RECEIVED TECH CENTER 10/1/2003
	AR23	Rossi-Campos, A., et al., "Immunization of pigs against <i>Actinobacillus pleuropneumoniae</i> with two recombinant protein preparations," <i>Vaccine</i> , 10(8):512-518 (1992).	OCT 14 2003
	AS23	Rothbard, J.B., et al., "A Sequence Pattern Common to T Cell Epitopes," <i>The EMBO J.</i> 7(10):993-1000 (1988).	10/1/2003
	AT23	Sad, S., et al., "Bypass of Carrier-Induced Epitope-Specific Suppression Using a T-Helper Epitope," <i>Immunology</i> 76:599-603 (1992).	10/1/2003
	AU23	Schödel, F., et al., "Synthesis in <i>Vibrio cholerae</i> and Secretion of Hepatitis B Virus Antigens Fused to <i>Escherichia coli</i> Heat-Labile Enterotoxin Subunit B," <i>Gene</i> 99:255-259 (1991).	10/1/2003
	AV23	Smith, D.B., et al., "M <sub>2</sub> 26,000 antigen of <i>Schistosoma japonicum</i> recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase," <i>Proc. Natl. Acad. Sci. USA</i> 83:8703-8707 (1986).	10/1/2003
	AW23	Spindler, K.R., et al., "Analysis of Adenovirus Transforming Proteins from Early Regions 1A and 1B with Antisera to Inducible Fusion Antigens Produced in <i>Escherichia coli</i> ," <i>J. Virol.</i> 49(1):132-141 (January 1984).	10/1/2003
	AX23	Ståhl, S., et al., "A Dual Expression System for the Generation, Analysis and Purification of Antibodies to a Repeated Sequence of the <i>Plasmodium falciparum</i> Antigen Pf155/RESA," <i>J. Immunological Methods</i> 124:43-52 (1989).	10/1/2003
	AY23	Su, G., et al., "Extracellular export of Shiga toxin B-subunit/haemolysin A (C-terminus) fusion protein expressed in <i>Salmonella typhimurium</i> aroA-mutant and stimulation of B-subunit specific antibody responses in mice," <i>Microbial Pathogenesis</i> , 13:465-476 (1992).	10/1/2003
	AZ23	Suzue, K., et al., "Heat Shock Proteins as Immunological Carriers and Vaccines," <i>Stress-Inducible Cellular Responses</i> (U. Feige, R. I. Morimoto, I. Yahara, B. S. Polla, eds.), Birkhäuser/Springer, 77: 451-465 (1996).	10/1/2003
↓	AR24	Talwar, G.P., et al., "Enhancement of antigenadotropin response to the β-subunit of ovine luteinizing hormone by carrier conjugation and combination with the β-subunit of human chorionic gonadotropin," <i>Fertility and Sterility</i> , 46(1):120-126 (1986).	10/1/2003

EXAMINER <i>Stan B. Chen</i>	DATE CONSIDERED <i>1/21/04</i>
---------------------------------	-----------------------------------

PTO-1449 REPRODUCED <i>DO NOT DESTROY</i> OCT 14 2003 SEARCHED & TRADEMAKS SERIALIZED		ATTORNEY DOCKET NO. 2869.1001-023	APPLICATION NO. 10/046,649
INFORMATION DISCLOSURE CITATION IN AN APPLICATION October 10, 2003 (Use several sheets if necessary)		APPLICANT Richard A. Young, et al.	
		FILING DATE January 14, 2002	CONFIRMATION NO. 3487
		GROUP 1648	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SBC	AS24	Tetzlaff, C.L., et al., "Induction of Proliferative Responses of T Cells from <i>Babesia bovis</i> -Immunized Cattle with a Recombinant 77-Kilodalton Merozoite Protein (Bb-1)," <i>Infection and Immunity</i> 60(2):644-652 (1992).	RECEIVED TECH CENTER OCT 17 2003 2000
	AT24	Thanavala, Y.M., et al., "Affinity, cross-reactivity and biological effectiveness of rabbit antibodies against a synthetic 37 amino acid C-terminal peptide of human chorionic gonadotrophin," <i>Clin. Exp. Immunol.</i> , 39:112-118 (1980).	
	AU24	Thole, J.E.R., et al., "Use of Recombinant Antigens Expressed in <i>Escherichia coli</i> K-12 To Map B-Cell and T-Cell Epitopes on the Immunodominant 65-Kilodalton Protein of <i>Mycobacterium bovis</i> BCG," <i>Infection and Immunity</i> 56(6):1633-1640 (June 1988).	
	AV24	Tommassen, J., et al., "Molecular Analysis of the Promoter Region of the <i>Escherichia coli</i> K-12 <i>phoE</i> Gene - Identification of an Element, Upstream from the Promoter, Required for Efficient Expression of PhoE Protein," <i>Mol. Biol.</i> 198:633-641 (1987).	
	AW24	Udono, H., et al., "Comparison of Tumor-Specific Immunogenicities of Stress-Induced Proteins gp96, hsp90, and hsp70," <i>J. Immunol.</i> 152: 5398 - 5403 (Jun 1994).	
	AX24	Ullrich, S.J., et al., "Transcriptional and Translational Analysis of the Murine 84- and 86-kDa Heat Shock Proteins," <i>J. Biol. Chem.</i> 264(12):6810-6816 (1989).	
	AY24	Vreden, S.G.S., et al., "Phase I Clinical Trial of a Recombinant Malaria Vaccine Consisting of the Circumsporozoite Repeat Region of <i>Plasmodium Falciparum</i> Coupled to Hepatitis B Surface Antigen," <i>Am. J. Trop. Med. Hyg.</i> , 45(5):533-538 (1991).	
	AZ24	Xu, L., et al., "Epitope Mapping and Characterization of the Infectious Hematopoietic Necrosis Virus Glycoprotein, Using Fusion Proteins Synthesized in <i>Escherichia coli</i> ," <i>J. Virol.</i> 65(3):1611-1615 (March 1991).	
	AR25	Zavala, F., et al., "Synthetic Peptide Vaccine Confers Protection Against Murine Malaria," <i>J. Exp. Med.</i> , 166:1591-1596 (1987).	
V	AS25	November 2000 Printout of a Web Page of Stressgen Biotechnologies ( <a href="http://stressgen.com">http://stressgen.com</a> ).	

EXAMINER <i>Stacy B. Chen</i>	DATE CONSIDERED 1/21/04
----------------------------------	----------------------------